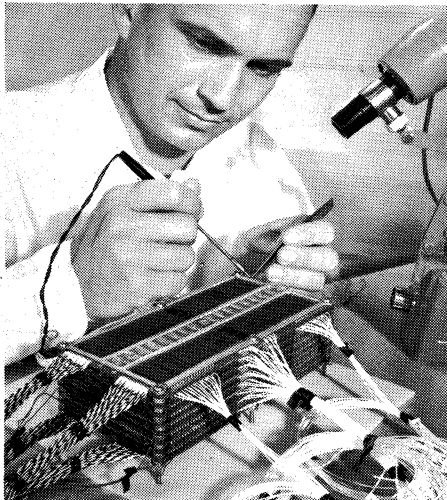


ORYX

PRECISION SOLDERING INSTRUMENTS



FIVE REASONS WHY PRODUCTION MANAGERS CHOOSE ORYX SOLDERING IRONS

1. MINIATURE SIZE

ORYX soldering irons are small and easy to handle as pencils. Their miniature size helps to speed any precision soldering operation. Damage to adjacent components is eliminated. If you can see it, you can solder it with ORYX!

2. FEATHER WEIGHT

A standard, utility-type 100 watt soldering iron weighs about 2 lbs. The so-called pencil-type irons typically weigh between 2 and 6 ounces. ORYX soldering irons, by contrast, weigh as little as 1/4 ounce. This true feather weight virtually eliminates hand fatigue. Workers can turn out many more joints per hour with fewer rejects.

3. HIGH EFFICIENCY

All ORYX soldering irons utilize a unique element-in-the-tip design principle. By generating the heat within the tip, far fewer watts are needed to achieve results comparable to much larger irons. This principle also provides quicker heat recovery because the heat path between element and joint is so very short. The need for large insulating handles is eliminated.

4. SAFETY

ORYX low-voltage irons are polarized, making it possible to directly ground the shaft, tip, and one side of the heating element. This provides a maximum degree of safety, both to the operator and to delicate circuitry. The ORYX line of 115 V. plug-in models includes 3-wire styles whose shafts and tips may be connected to ground for safety.

5. ECONOMY

A standard ORYX low-voltage industrial iron costs less than \$5 in production quantities.

← Photo shows ORYX soldering iron used to assemble computer memory stack from ALERT system. (Courtesy Military Products Group, Honeywell, Inc.)

LOW-VOLTAGE, MINIATURE PRODUCTION SOLDERING IRONS

Model	Volts	Watts	Temp.	Length	Weight	Tip Type	Tip Dia.	Also Takes	Net Ea.	12 or More	
5A	6	5	600°F.	5 1/2"	1/4 oz.	P	1/16"	T, U, Z	\$5.45	\$4.95	    
5S	4.5	4.5	575°F.	4 3/4"	1/5 oz.	S	1/16"	T, U, Z	5.45	4.95	
6	6	6	625°F.	6"	1/4 oz.	Fixed	1/16"	—	5.45	4.95	
6A	6	6	690°F.	6"	1/4 oz.	B	3/32"	P, V, X	5.45	4.95	
9-6	6	8.3	750°F.	6"	1/4 oz.	A	5/32"	B, V	5.45	4.95	
9-12	12	8.3	750°F.	6"	1/4 oz.	A	5/32"	B, V	5.45	4.95	    
9-24	24	8.3	750°F.	6"	1/4 oz.	A	5/32"	B, V	5.45	4.95	
11-6	6	10	835°F.	6"	1/4 oz.	D	5/32"	E	6.95	6.45	
12-6	6	12	700°F.	6 1/4"	1/2 oz.	C	3/16"	—	5.45	4.95	
12-12	12	12	700°F.	6 1/4"	1/2 oz.	C	3/16"	—	5.45	4.95	
12-24	24	12	700°F.	6 1/4"	1/2 oz.	C	3/16"	—	5.45	4.95	      
18-6	6	18	800°F.	7 1/4"	3/4 oz.	F	3/16"	M, Y	7.50	7.05	
25-12	12	25	1000°F.	7 1/4"	1 oz.	G	3/16"	H	8.00	7.55	

REPLACEMENT TIPS for low-voltage soldering irons

Oryx tips are precision machined from a special copper alloy with outstanding heat conduction characteristics. Nickel plating reduces scaling. Iron-plated tips and solid nickel tips give much longer life with slightly reduced heat transfer. Gold tips recommended for microcircuits only.

Type	Material	Plating	Diameter	For Model	Net. Ea.	Type	Material	Plating	Diameter	For Model	Net. Ea.
A	Copper alloy	Nickel	5/32"	9-6	.54	P	Copper alloy	Nickel	1/16"	5A, 6A	\$.60
B	Copper alloy	Nickel	3/32"	6A, 9-6	.54	S	Copper alloy	Nickel	1/16" (short)	5-S	.60
C	Copper alloy	Nickel	3/16"	12-6	.54	T	Gold end, copper body	Nickel	1/25"	5A, 6A	2.35
D	Solid nickel	—	3/32"	11-6	1.80	U	Gold end, nickel body	—	1/25"	5A, 6A	2.35
E	Solid nickel	—	3/32"	11-6	1.80	V-PL	Copper alloy	Iron	3/32"	6A, 9-6	1.50
F	Copper alloy	Nickel	3/16"	18-6	1.25	W	Copper alloy	Bare (NASA)	3/32"	6A, 9-6	.45
G	Solid nickel end	Nickel	3/16"	25-12	1.85	X	Copper alloy	Nickel	1/25"	6A, 9-6	.85
H	Copper alloy	Nickel	1/4"	25-12	2.35	X-PL	Copper alloy	Iron	1/25"	6A, 9-6	1.50
M	Solid nickel end	Nickel	3/32"	18-6	1.85	Y-PL	Copper alloy	Iron	3/32"	18-6	2.25
N	Copper alloy	Nickel	1/8"	TW-12	1.25	Z	Copper alloy	Nickel	1/25"	5A, 5S	.85
						Z-PL	Copper alloy	Iron	1/25"	6A, 9-6	1.50

SOLDERING TWEEZERS

Unique tools with heating elements in each arm. Speed soldering time by heating both sides of joint. Tweezer action conducts heat quickly into joint. Low-voltage operation assures safety to circuitry and to operator.

MODEL TW-6—Precision model for semiconductors, solid state, hairspring movements, miniature relays, thermostats, etc. Solid nickel 3/32" fixed tips. Nominal temperature 550° F. Weighs 1 oz. 6-volts, 18-watts, AC or DC.

MODEL TW-6, complete with 4 1/2' cord.....Net \$14.95 ea.
(12 or more \$14.45 ea.)

MODEL TW-12
Heavy duty model for regular production-line soldering of radio, TV, radar, telephone, and switchboard assemblies. Furnished with replaceable 1/8" N tips. Nominal temperature 625°F. Weighs 2 oz. 12-volts, 25-watts, AC or DC.

MODEL TW-12, complete with 4 1/2' cord.....Net \$14.95 ea.
(12 or more \$14.45 ea.)

SK-12 stripper heads for TW-12 (kit of 2 heads and 2 screws).....Net \$1.35 kit

ACCESSORIES

6-VOLT TRANSFORMER—Model 54203-6V. Output 6-volts, 18-watts. For use with all 6-volt Oryx tools. Operates on 115 V. AC. with 4 1/2' cord set — ready to plug in. Clip-holder on top for iron.....Net \$5.50 ea.

12-VOLT TRANSFORMER—Model 5420-12V. Output 12-volts, 25-watts. For all 12-volt Oryx tools. Operates on 115 V. AC. With 4 1/2' cord set—ready to plug in.....Net \$6.45 ea.

TAPPED TRANSFORMER—Output 4 1/2 to 6-volts in 1/2 v. steps. For exact temperature control on all Oryx 6-volt tools. Operates on 115 V. AC—ready to plug in. Model 54204-T.....Net \$6.50 ea.

TW-6E REPLACEMENT ASSEMBLY—Includes element, tip, and bushing (for one TW-6 tweezer arm only).....Net \$5.30 ea.

S-1 SOLDERING IRON STAND.....Net \$1.50 ea.